

ABSTRACT

According to the first variant of the invention, the inventive method consists in using a thread in the form of a thread which is made of an elastic shaped plastic material provided with protective elements, bringing said thread into contact with the slot of a grid cylinder prior to the contact of the grid with a paper pulp, placing the thread core on the slot bottoms for fixing said thread core to the surface of paper, raising wings upward by means of inclined slots and in fixing said wings in the paper thickness during shaping and pressing. According to the second variant, the thread contact with the slot is carried out after the contact of the grid with the paper pulp, the thread core being disposed on the layer of the slot bottom and inside the paper. The wings are raised upward by means of the inclined walls of the slot and fixed to the paper surface by dehydration during shaping and pressing. In the third and fourth variants, the thread is embodied in the form of an endless strip which is made of a metallised plastic material and provided with a central core carrying visually controlled or machine-readable protective information and with side elements in the form of wings which are disposed symmetrically and/or asymmetrically with respect to the longitudinal axis of said core and arranged in an ordered and/or disordered periodical manner.